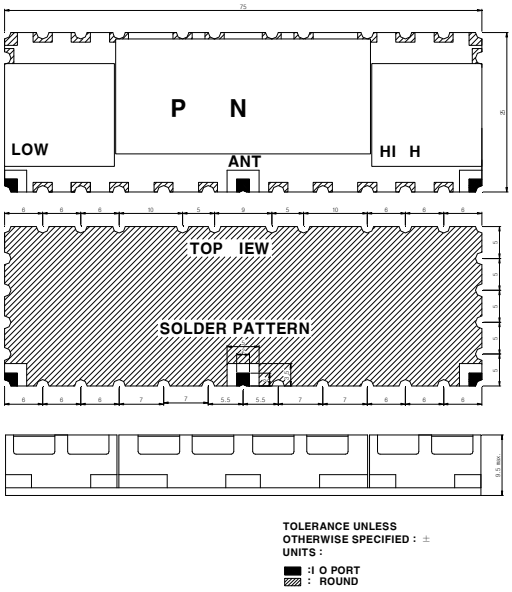
Ceramic DUPLEXER IDD08072

808.5 MHz / 853.5 MHz

Features

- Ceramic Duplexer
- Usable bandwidth 5 MHz each Rx And Tx. band
- No matching / Antenna & Transmitter & Receiver Impedance 50Ω
- Surface Mounted Module Package (75mm × 25mm × 9.5mm)

Package Dimension



Pin Configuration	
Description	Function
RX (806 ~ 811MHz)	RECEIVER
ANT	ANTENNA
TX (851 ~ 856MHz)	TRANSMITTER

Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	25	+85
Storage Temperature Range	°C	-40	-	+85

Electrostatics Sensitive Device (**ESD**)

Ceramic DUPLEXER IDD08072

808.5 MHz / 853.5 MHz

Specification

Fo = 808.5 MHz / 853.5 MHz

ANT to Rx		Minimum	Typical	Maximum
Insertion loss (808.5 MHz +/-2.5 MHz)	dB	-	2.3	2.5
Amplitude Ripple (808.5 MHz +/-2.5 MHz)	dB	-	0.3	0.5
Return Loss (808.5 MHz +/-2.5 MHz)	dB	17	20	-
Input power (808.5 MHz +/-2.5 MHz)	Watt	2W > 50000 Hours, CW tone (Ta=+50°C)		
Relative Attenuation 850.5 ~ 855.5 MHz	dB	70	73	-

Tx to ANT		Minimum	Typical	Maximum
Insertion loss (853.5 MHz +/-2.5 MHz)	dB	-	2.3	2.5
Amplitude Ripple (853.5 MHz +/-2.5 MHz)	dB	-	0.3	0.5
Return Loss (853.5 MHz +/-2.5 MHz)	dB	17	20	-
Input power (853.5 MHz +/-2.5 MHz)	Watt	2W > 50000 Hours, CW tone (Ta=+50°C)		
Relative Attenuation 805.5 ~ 810.5 MHz	dB	70	73	-

Notes :

1) All specifications are based on the matching schematic shown below, measured by Agilent Network analyzer and full 3 port calibration.

2) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances

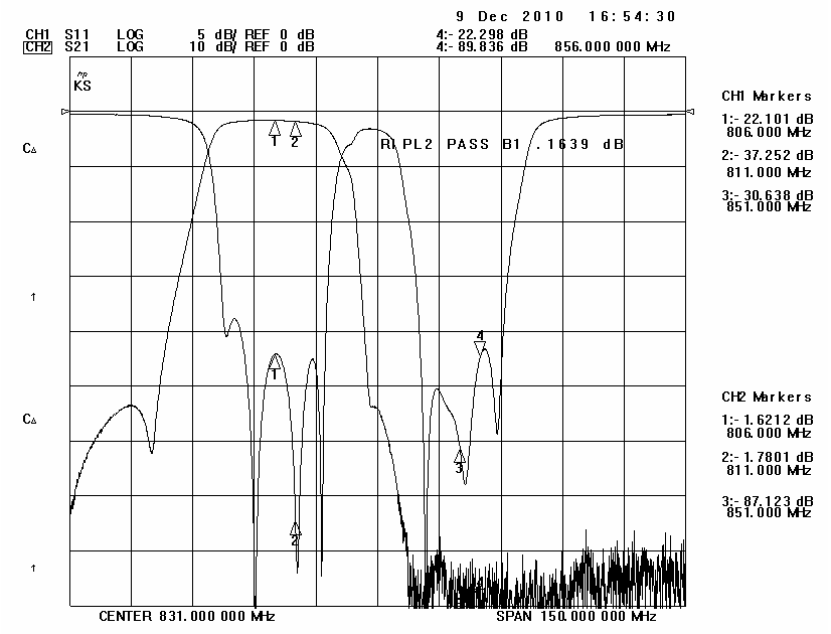
3) All attenuation measurements are measured absolute to insertion loss

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Frequency Response

■ **Ant to Rx**



■ **Tx to Ant**

